Activity ES&H Hazard Identification Checklist

Nan	ne of Activity:						_
Activity Supervisor: (Print)				Location: Room	m B	Building	
ES&	zH Rep.'s/Coor.'s Signature	Employee #	Date	Group Leader's Signature (Approved by)	Employee #	Date	-
	IMPORTA	NT! Attach a	a hazard ma	inagement statement for	each item ch	ecked below.	
	Check all of the following	ng that are applic	able to/or involve	ed with the activity. This checklist wi	ill be utilized by ESF	&A in review of the acti	vity.
2 3 4 5 6 7 8 9 10 11 12	Chemical and Biological Concerns Mercury or mercury compounds (e.g. dimethyl mercury). Research involving human subjects or animal studies. Chemicals requiring personnel medical monitoring (see "Federally Regulated Hazards": (www.external.ameslab.gov/esha/ESH&A Documents/FormHazardInventory.pdf). Hazardous or toxic chemicals (www.external.ameslab.gov/esha/ESH&A Documents/CHPAppendixA&BAcuteHazWastes.pdf). Extremely hazardous substances (http://ecfr.gopaaccess.gov/egh/l/ext/tex/c=ecfr&sid=5fc8eBa3al2d0c06a2e4422bd279c23&rgn=div5&view=text&node=40%3A27.0.1.1.11&idno=40#40:27.0.1.1.11.0.9.6.14). Flammable chemicals (flashpoint < 100°F) in quantities greater than 4 liters (1 gallon) in one room. Perchloric or picric acid, peroxide-formers (www.external.ameslab.gov/esha/ESH&A Documents/CHPAppendicesK&L&MPeroxideFormers2.pdf). Pyrophoric or explosive materials (www.external.ameslab.gov/esha/ESH&A Documents/CHPAppendicesH&IIncompatiblesShockers.pdf). Activities that generate potentially hazardous ambient air concentrations of nanoscale and other particulates, mists, fumes, vapors, or asphyxiates. Generation of chemical, mixed, or radioactive waste (as defined by the Ames Laboratory Waste Management Program Manual). Generation of new waste streams, or a > 20% increase in an existing waste stream. Biological materials (including human, plant or animal pathogens) (www.external.ameslab.gov/esha/ESH&A Documents/CHPAppendicesD&ECarciongens.pdf). Suspected and/or confirmed carcinogens (www.external.ameslab.gov/esha/ESH&A Documents/CHPAppendicesD&ECarciongens.pdf). Activities that involve the use of engineered nanoscale materials (< 100 nanometers).						
2 3 4 5	Radiation Concerns 1 Radioactive materials, radiation sources. 2 Lasers (excludes laser printers and pointers). 3 Radio frequency (RF) or microwave generators (excluding personal microwave ovens) of greater than 10 watts average output power. 4 Ultraviolet radiation, which could expose personnel (e.g. arc welding, inductively coupled plasma, UV reactors, xenon lamps, etc.). 5 Generation of Radioactively contaminated waste as defined by the Ames Laboratory Waste Management Program Manual. 6 X-ray generating devices.						
2 3 4	Electrical Concerns Work with exposed electrical wiring or parts with voltages greater than 50 volts. Work with stored energy systems (e.g. capacitor banks > 10 joules; station battery systems > 50 volts). Voltage systems of greater than 600 volts. Current systems of greater than 25 amps. Electrical devices not certified by a Nationally Recognized Testing Laboratory (e.g. Underwriters Laboratory, CSA, etc.).						
3	Potential to release haz Potential for release of	ardous or radioactive chemical, physical, radioactive r	adiological agents (na	nitary or storm sewers, soil or air. anoscale and other particulates, fumes, mists aboratory-to-laboratory and on-site or off-site.	, or vapors) via hood or e	exhaust system.	
2 3 4 5 6 7 8 9 10	Use of a glove box. Torch work, exposed so Rotating parts or pinch	rge mass or volume) proximity of floor ope se of safety eyewear cource hot-work, or ex points. ssure delivery system um vessels, and glast rigging. luding thermal and/o gy systems (e.g. flyw	enings or on elevater respirators and/or or posed heat sources ms, other than installers systems (> +/-5 ps or oxygen deficiency h	d work platforms or scaffolds. ther forms of personal protective equipment (le.g. welding, soldering, arc welding, furnaces ed building utilities (> +/- 5 psig). ig).	•		
2 3 4 5	Workplace Concerns Confined space (as defined space) Confined space (as de	ined by Ames Labora ns of egress. y extremes. cute noise that interf sks of prolonged rep	eres with normal con etitive motion.	·	bjects.		
2 3 4	Other Concerns Activities involving sub- Dublic tours of Ames Land Area renovation. Activities that involve education Activities to be performed.	aboratory facilities or quipment valued at \$	100,000 or more in o		Only check this item if any	other item is checked	